

DERWENT-ACC-NO: 1988-300240

DERWENT-WEEK: 198843

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TITLE: Synergistic herbicidal combinations for use as siccatives - contg. e.g. 3,5-di:bromo-4-hydroxy:benzonitrile and e.g. mono:chloro:acetic acid, etc.

INVENTOR: BERGMANN, H; KOCHMANN, W ; KRAMER, W ; RADZUHN, B ; SCHUCKWER, H ; STEINKE, W ; WOLTER, G ; ZANKE, D

PATENT-ASSIGNEE: AKAD LANDWIRT DDR[LANDN]

PRIORITY-DATA: 1983DD-0255639 (October 13, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
DD 257379 A	June 15, 1988	N/A	006 N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DD 257379A	N/A	1983DD-0255639	October 13, 1983

INT-CL (IPC): A01N037/34, A01N043/70

ABSTRACTED-PUB-NO: DD 257379A

BASIC-ABSTRACT:

New agents for killing plants or plant parts contain, in addition to usual adjuvants and carriers, a combination of (A) 3,5-dibromo-4-hydroxy benzonitrile (I) or 3,5-diiodo-4-hydroxy benzonitrile (II) with (B) (1) monochloroacetic acid (III) or monobromoacetic acid (IV), or (2) 2-chloro-6-methyl-4 benzylphenol (V), or (3) 1-butylamino-cyclohexane phosphonic acid dibutyl ester (VI), or (4) (VI) and 2-methylthio-4-ethylamino-6-isopropyl amino-1,3,5-triazine (VII), or (5) sodium chlorate (VIII) and ammonium peroxydisulphate (IX).

USE/ADVANTAGE - Synergistic herbicidal combinations for use as siccatives and for combatting undesired plant growth. The combination are particularly useful as siccatives for use on potato plants, pulses and rape before harvesting. In comparison with known herbicides, the new combination have higher activity, reduced toxicity and reduced susceptibility of tubers of treated potatoes to Phytophthora infestants infection.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: SYNERGISTIC HERBICIDE COMBINATION SICCATIVE CONTAIN DI BROMO HYDROXY BENZONITRILE MONO CHLORO ACETIC ACID

DERWENT-CLASS: C03

CPI-CODES: C05-B01G; C05-C01; C05-C05; C05-C07; C07-D13; C10-A15; C10-C04E; C10-E02; C12-C09; C12-P05; C12-P06;

CHEMICAL-CODES:

Chemical Indexing M2 *01*

Fragmentation Code

G017 G100 H4 H401 H441 H6 H603 H608 H642 H8
K0 L1 L143 M280 M320 M414 M431 M510 M520 M531
M540 M782 M903 M904 P144 P862

Specific Compounds

09873M

Registry Numbers

3102R 1678D

Chemical Indexing M2 *02*

Fragmentation Code

G017 G100 H4 H401 H441 H6 H604 H608 H642 H8
K0 L1 L143 M280 M320 M414 M431 M510 M520 M531
M540 M782 M903 M904 P144 P862

Specific Compounds

09878M

Registry Numbers

3102R 1678D

Chemical Indexing M2 *03*

Fragmentation Code

H6 H602 H681 J0 J011 J1 J171 M280 M311 M321
M342 M349 M362 M391 M416 M431 M620 M782 M903 M904
M910 P144 P862

Specific Compounds

00447M

Registry Numbers

3102R 1678D

Chemical Indexing M2 *04*

Fragmentation Code

H6 H603 H681 J0 J011 J1 J171 M280 M311 M321
M342 M349 M362 M391 M416 M431 M620 M782 M903 M904
P144 P862

Specific Compounds

14111M

Registry Numbers

3102R 1678D

Chemical Indexing M2 *05*

Fragmentation Code

G010 G017 G100 H4 H401 H441 H6 H602 H641 H8
M1 M121 M132 M150 M210 M211 M240 M281 M311 M321
M342 M414 M431 M510 M520 M532 M540 M782 M903 M904
P144 P862

Specific Compounds

09112M

Registry Numbers

3102R 1678D

Chemical Indexing M2 *06*

Fragmentation Code

B515 B701 B712 B720 B741 B815 B831 G030 G038 G563
H1 H102 H161 M210 M214 M231 M272 M273 M281 M282
M320 M411 M431 M510 M520 M530 M541 M782 M903 M904
P144 P862

Specific Compounds

03974M
Registry Numbers
3102R 1678D

Chemical Indexing M2 *07*

Fragmentation Code
F012 F014 F016 F580 H1 H102 H122 H5 H592 H9
L910 L999 M210 M211 M212 M213 M232 M271 M273 M281
M282 M320 M413 M431 M510 M521 M530 M540 M782 M903
M904 P144 P862
Ring Index
00212
Specific Compounds
07449M
Registry Numbers
3102R 1678D

Chemical Indexing M2 *08*

Fragmentation Code
A111 A940 C017 C108 C300 C730 C801 C803 C804 C805
C807 M411 M431 M782 M903 M904 M910 P144 P862
Specific Compounds
01691M
Registry Numbers
3102R 1678D

Chemical Indexing M2 *09*

Fragmentation Code
C316 C408 C500 C540 C730 C801 C802 C804 M411 M431
M782 M903 M904 P144 P862
Specific Compounds
11833M
Registry Numbers
3102R 1678D

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0447U; 1691U

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C1988-133094